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(54) CONTACT ACTIVATED SOUND AND LIGHT GENERATING NOVELTY FOOD **CONTAINERS**

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362/109, 234; 446/71, 404; 340/540; 426/104

(56)**References Cited**

U.S. PATENT DOCUMENTS

5,939,983 A * 8/1999 Rudell et al. 340/540

6,054,156	Α	*	4/2000	Rudell et al.	426/104
6,062,936	A	#	5/2000	Rudell et al.	446/71
6,163,258	A	*	12/2000	Rudell et al.	340/540
6,325,693	$\mathbf{B}1$	o ķ e	12/2001	Rudell et al.	446/81
6,359,559	B1	*	3/2002	Rudell et al.	340/540
6,383,536	$\mathbf{B}1$	*	5/2002	Palmer et al.	426/104

^{*} cited by examiner

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ABSTRACT

A toy that emits a sound and/or emits light when an end user drinks a liquid through a straw. The toy includes a first electrode and a second electrode in fluid communication with an inner channel of the straw. The electrodes are connected to an indicator such as a light source or a sound generating device. When the end user drinks a liquid through the straw the liquid provides an electrical path between the electrodes. The liquid closes a circuit between the electrodes and activates the indicator. The present invention also includes a sound/light emitting toy which supports a piece of candy. The toy includes a first electrode that can be grasped by the end user and a second electrode that is in contact with the candy. The electrodes are connected to an indicator. By licking the candy the end user provides an electrical path between the electrodes which closes a circuit and activates the indicator.

8 Claims, 9 Drawing Sheets

